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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/423,131	11/05/1999	HIROSHI KAWAKAMI	3815/90	6371

22913 7590 10/02/2006

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EXAMINER

HOM, SHICK C

ART UNIT	PAPER NUMBER
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2616

DATE MAILED: 10/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/423,131

Applicant(s)

KAWAKAMI ET AL.

Examiner

Shick C. Hom

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 May 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-8, 10 and 20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3-8, 10 and 20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/1/06 has been entered.

Drawings

2. Figures 11 and 12 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required

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corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

3. Claim 6 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 6 which recite the sustainable traffic control being carried out by sliding the period at every peak traffic monitoring period is not clear how the peak traffic period is slid because the specification in pages 19-21 and Figs. 7-10 merely shows that the sustainable period being a multiple of the peak period therefor it is not clear how the peak period is slid as claimed.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the

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invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 4 and 10 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimokasa (5,903,547).

Shimokasa discloses the traffic control means discarding or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition, wherein said data takes place in a burst mode at intervals proper to the data, and wherein said traffic control means carries out the traffic control such that a cumulative transmission volume in a traffic monitoring period defined by taking account of said intervals proper to the data does not exceed a volume based on a traffic rate (see col. 6 lines 28-45 which recite measuring the volume of traffic in an ATM system for a specified period of time for the purpose of detecting congestion state and col. 7 lines 11-18 which recite means for keeping the traffic volume at a constant value or greater whereby if the line enters a congested state, the volume of traffic flowing into the line is reduced or cells discarded. The system being ATM clearly anticipate the transmission of data takes place in a burst mode; the period of time for the measurement of the volume of traffic clearly

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anticipate the traffic monitoring period taking account of the intervals proper to the data; and the congestion state clearly anticipate the data being either conformable or unconformable to the traffic condition).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary.

Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35

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U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claims 3, 5-8, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shimokasa (5,903,547) in view of Pasternak et al. (6,157,614).

For claims 3, 5, 8, and 20, Shimokasa discloses the device and method described in paragraph 4 of this office action. Shimokasa discloses all the subject matter of the claimed invention with the exception of the radio base station comprising the traffic control unit as in claims 3, 8, 20; and traffic control and monitoring being according to peak traffic and sustainable traffic as in claims 5-7.

Pasternak et al. from the same or similar fields of endeavor teach that it is known to provide the radio base station comprising the traffic control unit (see col. 8 lines 34-50 which recite wireless base sector controllers performing all ATM traffic control and scheduling of transmission in the sector); and traffic control and monitoring being according to peak traffic and sustainable traffic (see col. 4 lines 18-34 which recite the traffic description parameters being based on peak cell rate and sustained cell rate). Thus, it would have

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been obvious to the person having ordinary skill in the art at the time the invention was made to provide the radio base station comprising the traffic control unit and traffic control and monitoring being according to peak traffic and sustainable traffic as taught by Pasternak et al. in the communications device of Shimokasa. The radio base station comprising the traffic control unit and traffic control and monitoring being according to peak traffic and sustainable traffic can be implemented by connecting the base station of Pasternak et al. to the traffic control unit of Shimokasa and using traffic control and monitoring according to peak traffic and sustainable traffic. The motivation for providing the radio base station and traffic control and monitoring being according to peak traffic and sustainable traffic as taught by Pasternak et al. in the communication device of Shimokasa being that it provides the desirable added feature of wireless communication to the control device of Shimokasa.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lyon et al. disclose a distributed bus throttle and method.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shick C. Hom whose telephone number is 571-272-3173. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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